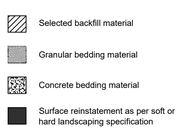
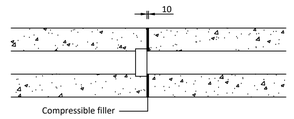
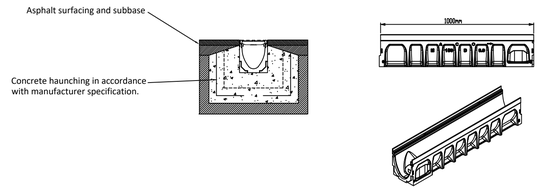


Typical Pipe Bedding Details
Scale 1:50

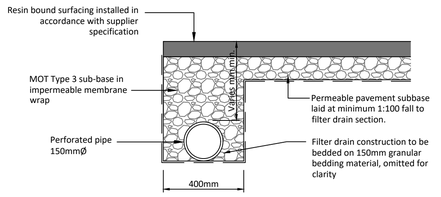




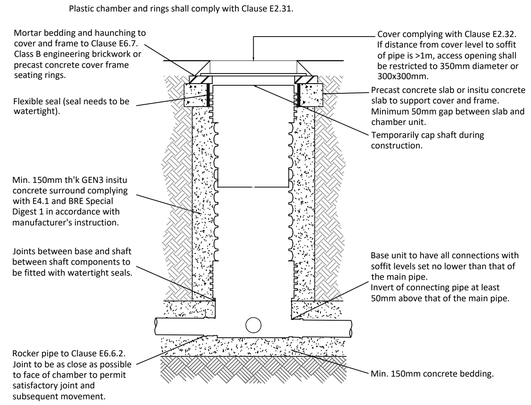
Typical Flexible Joint to Concrete Bed and Surround Detail
Scale 1:20



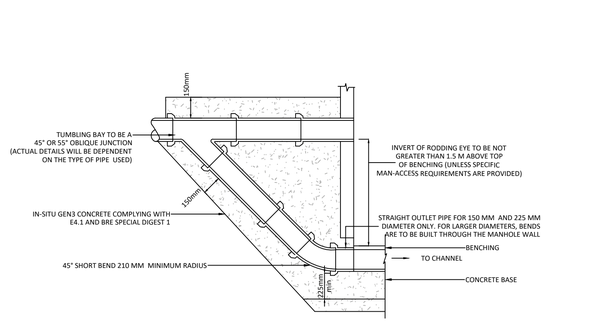
Typical ACO MultiDrain 150D
Scale 1:20



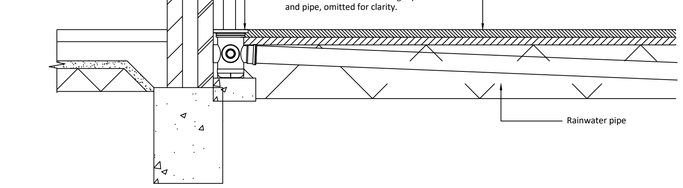
Typical Pervious Pavement Detail
Scale 1:20



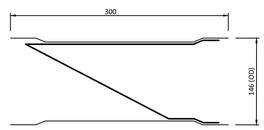
Typical Inspection Chamber Detail
Scale 1:20



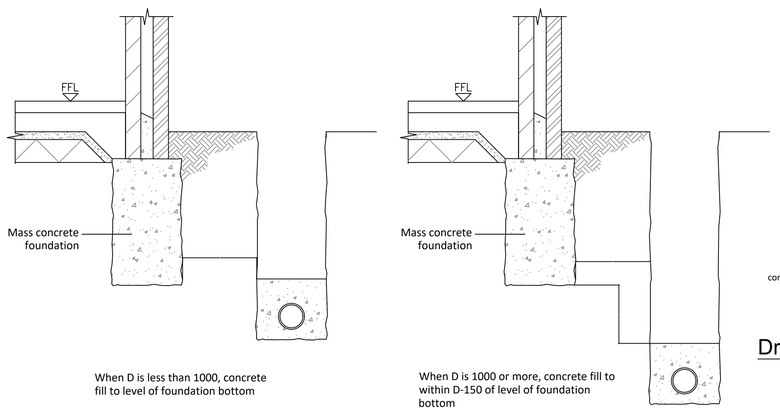
Ramped Backdrop Detail (DCG Fig. B16)
Scale 1:20

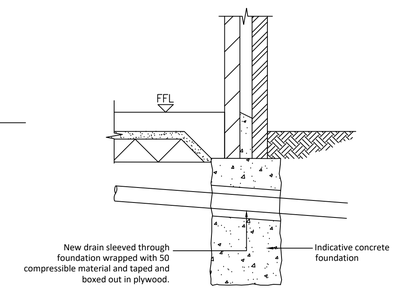


Typical Rainwater Downpipe Detail (with Silt Gully)
Scale 1:20



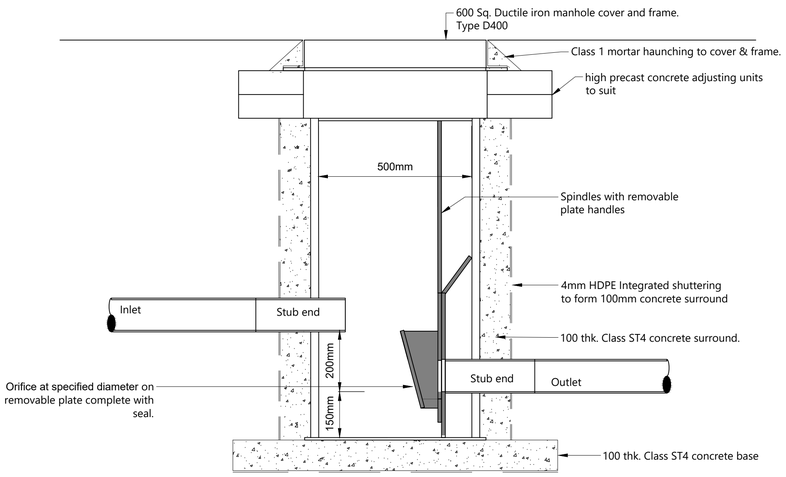
Typical WaStop non-return valve
Scale 1:20





Drain Sleeved Through Foundation Detail
Scale 1:20

Pipe Protection Near Foundation Detail
Scale 1:20



Typical Orifice Chamber Detail
Scale 1:10

General notes:

1. This drawing is to be read in conjunction with all Engineer's, Architect's, Street Lighting or other relevant drawings and specifications.
2. All dimensions and levels are to be checked on site by the contractor prior to preparing any working drawings or commencing on site. any discrepancies shall be reported to the site supervisor. all dimensions are in meters unless stated otherwise.
3. The contractor must ensure and will be held responsible for the overall stability of the building/structure/excavation at all stages of the work.
4. The contractor has the responsibility to scan for underground utilities and verify, if necessary, with trial holes the location of underground utilities prior to carrying out excavation works, please refer to GPR survey and utility C2 returns.
5. Pavement material suggestions are based on a general design spec, contractor shall amend if deemed necessary to a similar specifications given that it is in line with the MCHW Clause specified.
6. Reinstatement of Carriageway surface must be done in accordance with the practices of the specification for reinstatement of opening in highways which is specified on this standard detail.
7. Should there be any conflict between the details indicated on this drawing and those indicated on other drawings the Project Engineer shall be informed prior to construction.
8. Until technical approval has been obtained from the relevant authority, it should be understood that all drawings issued are preliminary and not for construction. Should the contractor commence site work prior to such approval being given, it is entirely at their own risk.
9. All 100Ø proposed foul drainage pipes shown are to be laid at a max gradient of 1:80.
10. All 150Ø proposed foul drainage pipes shown are to be laid at a max gradient of 1:150.
11. All existing land drains encountered on site during construction are to be re-connected.
12. Pipes to be structured walled to BS EN 13476, Polypropylene to BE EN 1852 or PVC-U to BS EN 1401.
13. Both clay and concrete pipes shall be strength class 120 (100/150mm min crushing strength 28kN/m). Thermoplastic pipes shall have a minimum ring stiffness of SN8.
14. Private pipes which run adjacent to buildings shall be installed in strict accordance with Building Regulations Part H, clauses 2.23 to 2.25, and adoptable pipes in accordance with Design and Constructio Guidance
15. Class Z concrete bed and surround to all foul and surface water pipes with less than 900mm cover depth. Type S granular bed and surround to all foul and surface water pipes with greater than 900mm cover detph.
16. All manholes and inspection chambers to have D400 load-rated covers and frames to BS EN 124.
17. All private foul and surface water pipes to be constructed to Building Regulations Part H, and adoptable foul and surface water pipes to be constructed in accordance with Design and Construction Guidance.
18. If soft spots are encountered the whole area is to be excavated until firm ground is encountered and all excavated material disposed. Material excavated from soft spots should not be used for fill on site. The excavation should be reinstated with MOT Type 3 compacted in 100mm-150mm layers.
19. Adoptable sewers to be constructed in accordance with Design and Construction Guidance.
20. Private connections to adoptable sewers are to be a minimum of 100mm diameter and laid soffit-to-soffit.

CITYSTRUCT Design & Build

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DRAWING TITLE
Land to rear of 8 fairfax Avenue
Drainage Details
Series 500

REV.	DESCRIPTION	DRAWN BY	CHECKED	DATE

	INITIALS	DATE	
			DRAWING No. CIT03-CTY-HGN-ZZ-DR-D-0502
SURVEYED BY			PROJECT TITLE Land to rear of 8 fairfax Avenue Manchester
DESIGNED BY	LS	15/07/24	
DRAWN BY	LS	15/07/24	SCALE 1:100 @ A1 / FILE No. 24001
CHECKED BY	MB	15/07/24	

ORIGINAL SIZE: A1

IG-13/10/16